

# FIXATION OF BONDABLE MOLAR TUBE ON CONVENTIONAL MINI IMPLANT HEAD: A NOVEL METHOD FOR MISSING MOLARS

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## ABSTRACT

*Ever since the introduction of fixed orthodontics, permanent molars are solely relied for the purpose of anchorage. In cases with missing molars, miniimplants are employed significantly to take greater challenges in terms of anchorage. Although bracket head miniimplants are in regular usage in edentulous cases, we have presented an alternative novel method of fixing a bondable molar tube on conventional mini implant head which serves the same purpose.*

**KEYWORDS:** Anchorage, Mini Implant & Molar Tube

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## INTRODUCTION

### Procedure

Dentos Absoanchor small head mini implant was inserted in the retromolar area under sterile environment with local infiltration of anaesthesia. Etching was done using 37% ortho phosphoric acid followed by application of Trans bond XT primer and cured for 10 seconds. Bondable single slot molar tube using Trans bond XT adhesive was bonded on the head of mini implant using trans bond XT adhesive and cured for 40 seconds with Monitex Blue Lex LD-105 curing light. Later arch wire has been inserted into the molar tube, which served as a source of anchorage throughout the treatment.



**Figure 1: Mini Implant with Small Head (1.3mm, 8mm)**



**Figure 2: Pre Treatment Photograph Showing Site of Mini Implant Insertion**



**Figure 3: Leveling Arch Wire Insertion**



**Figure 4: Retraction using Power Chain to the Buccal Tube Bonded to the Mini Implant**

## **CONCLUSIONS**

Fixation of molar tube over the head of implanted mini screw serves as an efficient mechanism of anchorage support, in cases with missing molars.

## **REFERENCES**

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